

ABSTRACT OF THE DISCLOSURE

“Dynamically Capturing Data Warehouse Population Activities for Analysis, Archival,
and Mining”

A system comprised of trigger mechanisms, a staging area, and an archived
5 warehouse metadata table is used to extract, store, and archive extract, transform, and
load (ETL) tasks from operational metadata in a data-warehousing environment.
Operational metadata is comprised of ETL information; ETL task execution statuses,
run number, definitions, control flow, and execution schedules. Specified ETL
information is monitored and captured so that it may be extracted from operational
10 metadata and transformed every time a trigger mechanism activates an update of
stored data. Administrator-specified ETL task information is then stored in staging
table. At specified intervals a staging table is refreshed with changes in operational
data for each of the administrator-specified monitored and captured ETL tasks.
Overwritten data, or outdated ETL task information, is then moved and stored in an
15 archived warehouse metadata table. In one embodiment, archives are queried to
generate reports analyzing the status of ETL tasks.